

## EAST Search History

L12	36	gain adj offset and channel adj estimat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:18
L13	16	second adj set adj channel adj estimates	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:43

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	88	((JOHAN) near2 (NILSSON)).INV.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:49
L2	4891	gain adj offset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:16
L3	4	1 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 09:56
L4	78	set adj channel adj estimates	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:43
L5	5	2 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 09:56
L6	1	2003-606604.NRAN.	DERWENT	OR	OFF	2007/10/16 09:57
L7	1	2003-606604.NRAN.	DERWENT	OR	OFF	2007/10/16 10:00
L8	35	determining adj gain adj offset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:14
L9	2516	channel adj estimates	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:15
L10	3	8 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:15
L11	9	gain adj offset with channel adj estimat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:18



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#1 ((gain offset and channel estimates)<in>metadata)

#2 ( ( gain offset<in>metadata ) <and> ( channel estimates<in>metadata ) )

#3 ( ( gain offset<in>metadata ) <and> ( channel estimates<in>metadata ) )

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**Web Results 1 - 10** of about **12,100** from **www.freepatentsonline.com** for **gain offset and channel estimates**.

### METHOD FOR DETERMINING A GAIN OFFSET BETWEEN TRANSMISSION CHANNELS ...

determining a set of **channel estimate** gains based on the **gain offset** and ..... [0075] The

complex **channel estimates**  $h < ML >$  together with the **gain offset**  $g$  ...

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### Determination of a channel estimate of a transmission channel ...

In step 302, the DPCH **channel estimates**  $h < AND >$  DPCH<sub>j,f</sub> for time slot  $j$  are

determined as described above. In subsequent step 303, the **gain offset** or ...

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### Method and apparatus for estimating gain offsets for amplitude ...

Thus, despreading circuits 42 and 44, the **channel estimator** 46, .... [0034] With an updated

**estimate of the gain offset**  $g$  thus available, the **gain** ...

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### Method and apparatus for channel estimation using plural channels ...

The **gain offset** is determined at the receiver using a second-order equation based on the

first and second sets of **channel estimates**. ...

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### METHOD AND APPARATUS FOR ESTIMATION OF PHASE OFFSET BETWEEN ...

Such a "**gain offset**" between the DPCH and CPICH can be compensated for accurate .....

Once the **phase offset** is estimated, a complex **channel estimate** may be ...

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### Enhanced channel parameter estimation in the presence of preamble ...

In many communications systems, a preamble sequence is used to **estimate channel**

parameters such as carrier frequency and phase offsets, and **channel gain**. ...

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### Method and apparatus for estimating and correcting gain and phase ...

This invention **estimates** the **gain** and phase imbalance by monitoring the .... Then,

ignoring the DC **offset** ( $\phi=0$ ) and assuming the unit **channel gain** ( $a=1$ ), ...

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### Method and apparatus for communication channel error rate ...

Further, an SIR **estimate** utilizing the CPICH **channel estimate** and an **estimate** of the

**gain offset**  $g$  can be obtained as  $E^s N^o = (-Nf + g^2 \cdot \text{times} \dots$  ...

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### Method and apparatus for estimating and correcting gain and phase ...

3 shows a graph showing mean of the **gain offset** estimator versus true **gain** .... First, a raw

**channel estimation** is used to **estimate** the **gain/phase mismatch**. ...

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### Method and apparatus for efficient determination of channel ...

A method and apparatus for obtaining a **channel estimate** and a baud frequency **offset**

**estimate** for a communications **channel** in a communications system.

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